

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF 11 PAGES

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 09/17/2012		2. CONTRACT NO. (If any) EP-W-11-011		6. SHIP TO: a. NAME OF CONSIGNEE Cheryl R. Brown	
3. ORDER NO. 0022		4. REQUISITION/REFERENCE NO. See Schedule			
5. ISSUING OFFICE (Address correspondence to) HPOD US Environmental Protection Agency Headquarters Procurement Operations Ariel Rios Building 1200 Pennsylvania Avenue, NW Washington DC 20460				b. STREET ADDRESS 1200 Pennsylvania Avenue, N. W. MC 1804A Phone: 202-566-0940 Email: Brown.cheryl@Epa.gov	
				c. CITY Washington	e. ZIP CODE 20460
7. TO: NA				f. SHIP VIA	
a. NAME OF CONTRACTOR CH2M HILL INC.				8. TYPE OF ORDER	
b. COMPANY NAME				<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY REFERENCE YOUR: _____ Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
c. STREET ADDRESS 9191 S JAMAICA STREET				Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
d. CITY Englewood		e. STATE CO	f. ZIP CODE 80112		
9. ACCOUNTING AND APPROPRIATION DATA See Schedule				10. REQUISITIONING OFFICE	

11. BUSINESS CLASSIFICATION (Check appropriate box(es)) <input type="checkbox"/> a. SMALL <input checked="" type="checkbox"/> b. OTHER THAN SMALL <input type="checkbox"/> c. DISADVANTAGED <input type="checkbox"/> d. WOMEN-OWNED <input type="checkbox"/> e. HUBZone <input type="checkbox"/> f. SERVICE-DISABLED VETERAN-OWNED <input type="checkbox"/> g. WOMEN-OWNED SMALL BUSINESS (WOSB) ELIGIBLE UNDER THE WOSB PROGRAM <input type="checkbox"/> h. EDWOSB				12. F.O.B. POINT Destination	
13. PLACE OF a. INSPECTION Destination		b. ACCEPTANCE Destination		14. GOVERNMENT B/L NO.	
				15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	
				16. DISCOUNT TERMS	

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	DUNS Number: (b)(4) TO 0022: Community Energy District-scale Planning in San Francisco's Transit Center District & Central Corridor TOPO: Abby Hall Max Expire Date: 11/30/2013 Continued ...					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT		19. GROSS SHIPPING WEIGHT		20. INVOICE NO.		17(h) TOTAL (Cont. pages)
	21. MAIL INVOICE TO:						
	a. NAME RTP Finance Center						\$0.00
	b. STREET ADDRESS (or P.O. Box) US Environmental Protection Agency RTP-Finance Center (D143-02) 109 TW Alexander Drive						
c. CITY Durham		d. STATE NC	e. ZIP CODE 27711		\$94,049.52		17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature)

23. NAME (Typed)
Jody Gosnell
TITLE: CONTRACTING/ORDERING OFFICER

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO

2

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 09/17/2012	CONTRACT NO. EP-W-11-011	ORDER NO. 0022
-----------------------------	-----------------------------	-------------------

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
0001	<p>Admin Office: HPOD US Environmental Protection Agency Headquarters Procurement Operations Ariel Rios Building 1200 Pennsylvania Avenue, NW Washington DC 20460 Period of Performance: 09/17/2012 to 11/30/2013</p> <p>Technical Assistance for Community Energy District-scale Planning in San Francisco's Transit Center District and Central Corridor in accordance with the attached Statement of Work and the Contractor's proposal dated July 19, 2012.</p> <p>Cost: (b)(4) Fixed Fee: (b)(4) Requisition No: PR-OA-12-00188, PR-OA-12-00272</p> <p>Accounting Info: 12-13-B-11W-301MA4-2505-1211W21088-001 BFY: 12 EFY: 13 Fund: B Budget Org: 11W Program (PRC): 301MA4 Budget (BOC): 2505 DCN - Line ID: 1211W21088-001 Funding Flag: Complete Funded: \$65,000.00</p> <p>Accounting Info: 12-13-B-11W-301MA4-2505-1211W21126-001 BFY: 12 EFY: 13 Fund: B Budget Org: 11W Program (PRC): 301MA4 Budget (BOC): 2505 DCN - Line ID: 1211W21126-001 Funding Flag: Complete Funded: \$4,050.00</p> <p>Accounting Info: 12-13-BR-11W0X74-301MA4-2505-1211W2112 6-002 BFY: 12 EFY: 13 Fund: BR Budget Org: 11W0X74 Program (PRC): 301MA4 Budget (BOC): 2505 DCN - Line ID: 1211W21126-002 Funding Flag: Complete Funded: \$24,999.52 Continued ...</p>					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

ORDER FOR SUPPLIES OR SERVICES
SCHEDULE - CONTINUATION

PAGE NO
3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER
09/17/2012

CONTRACT NO.
EP-W-11-011

ORDER NO.
0022

ITEM NO. (a)	SUPPLIES/SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	The obligated amount of award: \$94,049.52. The total for this award is					

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

\$0.00

Statement of Work
Contract Number: EP-W-11-011
TO number: 22

- I. TITLE: Community Energy District-scale Planning in San Francisco's Transit Center District and Central Corridor
- II. PERIOD OF PERFORMANCE:
 - Phase I: From Date of Award through January 26, 2013
 - Phase II: From January 27, 2013 through November 30, 2013

III. BACKGROUND:

One of San Francisco's biggest challenges in the coming decades is how to meet the demands of anticipated growth while reducing greenhouse gas (GHG) emissions. The City has established aggressive climate protection and energy conservation goals, including a GHG-free electricity supply by 2030 and an 80% reduction in citywide carbon emissions from 1990 levels by 2050. To be successful, the City needs to continue developing and implementing aggressive and diversified approaches to reducing GHG emissions while continuing to absorb our fair share of regional population growth. One such approach is to plan low-carbon district-scale energy systems within large redevelopment projects in the city. San Francisco has identified two current redevelopment projects- Transit Center District and the Central Corridor- that will be pilots as the City and its partners create an implementation strategy with policy options, a regulatory framework, financing options, and partnership plans.

The Transit Center District is the neighborhood that surrounds the Transbay Transit Center, now under construction. The anticipated development in this area includes construction of more than 7 million square feet of office space, over 4,500 new housing units, hundreds of hotel rooms, 200,000 square feet of retail, and 11 acres of new open space.

A few blocks west of Transit Center District area is the Central Corridor Area. This once-industrial area is now positioned to become a growing center of the City's and region's high-tech industry. With the addition of the Central Subway (now under construction and scheduled to begin operation in 2018), undeveloped or underdeveloped parcels in the corridor offer significant development opportunity. The Central Corridor Plan will propose rezoning this area for dense, transit-oriented, mixed-use growth, and the city hopes to capitalize on rezoning to incorporate district-level energy infrastructure.

While dense, mixed-use, transit-oriented-development and investments in transportation infrastructure can go a long way to reducing GHG emissions associated with growth, land use and transportation is only a part of the picture. In San Francisco, 56% of GHG emissions is associated with lighting, heating, and cooling buildings. A variety of approaches exist that may help address GHG reductions at a district scale, rather than the scale of individual buildings. These could include Combined Heat and Power (CHP) district energy facilities, use of the City's existing steam loop infrastructure, procurement of GHG-free electricity (including SFPUC resources), and other innovative methods to develop renewable energy at a community scale. For example, trigeneration (tri-gen) systems supply electric power to an energy district and utilize waste heat from power generation to also provide heating and cooling services to the district. Such CHP facilities can, in some situations, supply affordable (low carbon) power and thermal energy using 44% less input fuel and may be an effective way to reduce GHG emissions in both existing and new development. CHP may also be considered green or

“renewable” if the fuel source is biogas. District CHP systems or other community-scale energy approaches have the potential to be an important tool in the City’s efforts to reduce GHG emissions, particularly in areas with intensive infill capacity and anticipated growth.

The City must clearly define how creating clean, district-scale energy systems in strategic neighborhoods helps to meet City goals and articulate an implementation strategy that identifies and engages key institutional players, defines concrete action items and next steps, and further clarifies economic and environmental costs and benefits.

District-scale energy systems may benefit private developers by reducing or eliminating onsite heating and cooling plants in individual buildings, increasing rentable square footage, and leveraging district-scale investment. This approach may offer residents and businesses increased energy reliability and potentially reduced utility costs. Depending on the combination of systems chosen, it also may offer a more cost-effective way to obtain low carbon or even GHG-free electricity. For everyone in San Francisco, the effort may reduce overall GHG emissions, secure local energy distributed energy generation, and improve local economic development.

IV. PURPOSE AND OBJECTIVE:

The City of San Francisco has asked US EPA for help in planning two district-scale energy projects and creating a citywide community energy plan with supporting policies, regulations, and partnerships. EPA is requesting contractor assistance with the following activities:

- Development of case studies and best practices from other U.S. and international jurisdictions that have implemented district-scale energy projects, covering both completely new developments and redevelopment of existing sites where district-scale energy opportunities were successful. (OPTIONAL)
- Development of general criteria for evaluating parcels of land appropriate for district energy systems, as well as a set of energy generation and delivery alternatives that could be assessed for the two pilot sites.
- Development of near-term next steps for implementing district-scale energy systems in two local pilots.
- Development of long-term next steps and planning framework for future district-scale energy projects.

EPA anticipates that these activities will help other municipalities and communities around the nation understand the options for and benefits of establishing neighborhood-scale energy generation systems within dense, mixed-use areas.

V. QUALITY ASSURANCE (QA) REQUIREMENTS:

Check ☐ Yes if the following is required or ☒ NO if the following is not required. The Contractor shall submit with their technical proposal a written Quality Assurance Project Plan for any project that is developing environmental measurements or a Quality Assurance Supplement to the Quality Management Plan for any project which generates environmental data using models.

TOPOs will provide additional information here, if Yes is checked above.

VI. TASKS AND DELIVERABLES:

Task 1: Kick-off /Progress-update Calls with EPA and city of San Francisco (II B. Technical Assistance, Page 1-17)

The Contractor shall participate in eight (8) to ten (10) conference calls with EPA, and the City. The purpose of the first conference call (approximately ninety (90) minutes in length) shall be to kick-off the project. The kick-off call shall occur within ten (10) calendar days of the award of the contract. The purpose of the remaining conference calls shall be to provide regular updates to EPA and the City, discuss project progress, and prepare for the on-site workshop. These regular calls shall be approximately one hour in length.

Any decisions resulting from these discussions shall be followed-up with technical direction.

Task 2: ~~Case Studies in District-scale Energy Planning (II B. Technical Assistance, Page 1-17)~~ **OPTIONAL**

~~District-scale energy planning has been used in other cities across North America, and the “lessons learned” from these examples will be useful to the city of San Francisco in their efforts.~~

~~The Contractor shall research three (3) to four (4) existing case studies that have been implemented in North America. Case study example shall include:~~

- ~~• Financing plans and business structures, including initial investments, public-private partnerships, analysis of state and federal incentive applicability, cost share and long-term management, and cost-benefit analyses or feasibility studies.~~
- ~~• Site or parcel selection criteria, including thresholds for density, mix of uses, use types, etc.~~
- ~~• Partnership agreements between city, state, utilities, and property owners for legal and regulatory responsibilities.~~
- ~~• Technical infrastructure issues related to grid integration, distribution facilities and infrastructure, and building requirements for CHP or even building retrofits for energy efficiency.~~
- ~~• Identification of annual maintenance costs, equipment/system life cycles and equipment replacement costs~~
- ~~• Outcomes to date of district-scale energy programs and policies, including GHG reductions and cost savings to property owners or renters.~~
- ~~• Identification of any policy, regulatory, or other common barriers that need to be overcome in order to achieve successful district energy implementation. This may include structural or organizational issues, cost-sharing, interconnection and wheeling regulations, utilities resistance, or even local codes and zoning restrictions.~~
- ~~• Identification of any policies, regulations, or other plans that helped to facilitate successful district energy plans~~

Task 3: Parcel Evaluation Criteria (II B. Technical Assistance, Page 1-17)

The purpose of this task is to identify criteria for the city of San Francisco to use to evaluate, at an individual parcel level, the overall feasibility of district-scale energy in order to develop appropriate implementation strategies in Task 4.

The Contractor shall review reports developed by the San Francisco District Energy Working Group and by the city of San Francisco that evaluate Transbay and Central Corridor as district energy pilot projects. The contractor shall then develop, and prioritize, a list of necessary site condition criteria that will help a city determine:

1. appropriate energy generation types at district scale that include but are not limited to:
 - CHP potential
 - Renewable energy generation including solar and wind
 - Possible heat recovery from industrial in the area and thermal storage options
 - Wastewater centric energy generation such as biogas and anaerobic digestion of organics (waste organics, or compostables, from the neighborhoods can be added to this solution as well); treated wastewater/stormwater for transformer cooling of Central subway system; biogas; and heat mining/recovery from wastewater.
2. Greenhouse gas emissions reduction potential for energy generation type
3. Opportunities to integrate water district planning with energy planning (e.g. wastewater heat recovery, biodigester gas recovery, solar water and space pre-heating)
4. Sites most appropriate as anchor heat and/or cooling loads

A draft list of necessary site condition criteria shall be developed and prioritized by the contractor for feedback and comment by EPA. The criteria shall address the list above, but may also include such site considerations as:

- Parcel size
- Ownership (public versus private, or public-private partnership)
- Cost-effectiveness of district-scale energy options (e.g., property acquisition cost versus proximity to energy loads/need for distribution facilities)
- Grid accessibility
- Potential for interconnection with other district-scale energy projects
- Potential for future expansion of these networks into adjacent areas
- Infrastructure interactions (stormwater, wastewater, other utilities, subway, roads, sidewalks, specific locations (i.e. soft or hard ground) for district energy piping, highways, etc.)

Example criteria shall be both qualitative and quantitative, depending on the specific site condition. For example, qualitative criteria might include whether or not a parcel is publicly or privately owned, or has relative proximity to infrastructure such as stormwater and wastewater utilities, subway, roads, or sidewalks. Quantitative criteria might include examples such as establishing the minimum parcel size necessary for a particular energy generation type to be feasible.

Task 4: Pilot District-scale Energy Strategies for Transit Center District and Central Corridor (II B. Technical Assistance, Page 1-17)

The purpose of this task is to assist the city of San Francisco apply the criteria established in Task 3 and develop a district-scale energy implementation strategy for the Transit Center District and Central Corridor development area that could ultimately be applicable citywide.

The Contractor shall develop a district-scale energy implementation strategy for the two study areas with clear action items and next steps for different city departments including the San Francisco Public Utilities Commission (SFPUC), San Francisco Environment (SFE), San Francisco Planning and the Capital Planning Committee. The strategy shall reference existing North American precedents, where applicable. The strategy shall be organized in the following four sections:

- Policies and Planning
 - Provide an implementation strategy with clear action items and next steps for different city departments including the San Francisco Public Utilities Commission (SFPUC).
 - For example, future street projects and utility upgrades should be planned with district-scale energy systems in mind.
 - A dedicated facilities model will require the installation of new distribution infrastructure, which may involve street-level disruption if pursued in an existing neighborhood.
 - Consider whether any benefits might be derived from interconnecting the district-scale energy networks either at initial implementation or in the future.
 - Consider need for a common specification for distribution infrastructure to permit the interconnection and/or expansion of district-scale energy plans in the future.
 - What policy tools need to be in place to support future project planning and implementation?
 - For example, analysis is needed to understand the opportunities for deep energy efficiency retrofits (for existing buildings) and/or zero net energy design integration (for new developments) at potential district-scale energy sites in San Francisco. The expected impacts of the City's updated Green Building Ordinance should be assessed.
- Partnerships
 - Identify ways the City can advance district-scale energy by providing a strategy to coordinate multiple public and private interests, including identification of all key institutional stakeholders and relevant regulatory frameworks.
 - How does a city partner with existing energy companies and utilities that already provide energy to a neighborhood or set of properties? Alternatively, how can a city provide the same services of an existing energy utility through its own city agencies?
 - What long-term partnership agreements must legally be in place between generators, distributors, and users within a district?
 - What party is responsible for early analysis, feasibility studies, and design development to integrate district-scale energy systems into large developments?

- What are potential financing models, and what is the business case for participation?
- Financing and Funding Opportunities
 - What resources are available?
 - For example: Federal programs
 - Partnership with private or municipal utilities
 - State energy infrastructure programs
 - Green energy tax credits/programs
 - Special assessment district programs
- Legal and Regulatory Issues
 - Does a group of private developers or property owners establish dedicated facilities serving multiple sites under separate owners trigger regulation by the California Public Utilities Commission? If so, what would that entail? As an alternative to the above, could the SFPUC serve these customers, possibly through a third party project developer/operator? What would the SFPUC/City need to do to facilitate such an arrangement?
 - What existing (or proposed) national and state regulations may hinder expansion of district-scale energy systems at a local scale for local use?
 - For example, there is no precedent in California for allowing non-renewable cogeneration to net meter; however, there is a CHP feed-in tariff in place.
 - Virtual net metering (VNM) rules could apply only to single properties; could a community net metering program work within existing state programs?
 - Describe any important steps to overcome these identified barriers.
 - What types of interconnection rules and requirements could inhibit development of district-scale energy systems?

Task 5: District-scale Energy Workshop (II B. Technical Assistance, Page 1-17)

The purpose of this task is to educate the City of San Francisco and their stakeholders on the implementation issues related to district-scale energy planning.

At the conclusion of Task 4, the Contractor shall conduct a one-day workshop in San Francisco with key stakeholders to discuss the findings in Task 3 and 4. The Contractor shall also lead the City and their stakeholders in a specific discussion in how the findings of Task4 can be applied citywide. The Contractor shall prepare all materials for the sessions, including PowerPoint presentation, and identify a preliminary list of stakeholders to be invited.

The Contractor shall not be responsible for procuring location(s) for the workshop, for advertisement, nor for sending invitations.

Task 6: Final Report (II B. Technical Assistance, Page 1-17)

The purpose of this task is to produce a final report that compiles and summarizes the memos produced in subsequent tasks.

The final report will be a compilation of the task memos created, documenting the results of the stakeholder and public meetings held during the on-site workshop. The report shall highlight the case studies developed in Task 2 (if applicable) and summarize the district and parcel evaluation criteria developed in Tasks 3 and 4. The primary audience for the report shall be city staff, elected and appointed officials, and the general public. In addition, the report shall be posted to the website of the EPA Office of Sustainable Communities.

The Contractor shall use the Office of Sustainable Communities style guide provided by EPA.

SCHEDULE FOR DELIVERABLES:

The contractor shall provide the following specific deliverables to the EPA TOPO:

	DELIVERABLE	FORM & QUANTITIY	SCHEDULE
Task 1	Kick-off /Progress- update Calls	8 – 10 calls	<ul style="list-style-type: none"> One kick-off. Remainder as needed.
Task 2: (OPTIONAL)	Case Studies in District-scale Energy Planning with cover memo	Each case study 4 pages max., MS Word. Cover memo shall be no more than two pages in length.	<ul style="list-style-type: none"> The first draft of the memo within six (6) weeks of execution of contract. The second draft of the memo within two (2) weeks of receipt of EPA comments.
Task 3:	Parcel Evaluation Criteria memo	1 memo, 12 pages max., MS Word/Excel spreadsheet	<ul style="list-style-type: none"> Proposed outline and template ten (10) weeks following execution of the contract. The first draft of the memo twelve (12) weeks of execution of contract. The second draft of the memo within two (2) weeks of receipt of EPA comments.
Task 4:	Pilot District Energy Strategies for Transbay Transit Center and Central Corridor	1 memo ,20 pages max., MS Word	<ul style="list-style-type: none"> The first draft of the memo eight (8) weeks following completion of Task 3. The second draft of the memo within two (2) weeks of receipt of EPA comments.
Task 5:	District-scale Energy Workshop	one-day district-scale energy planning workshop for the city of San Francisco staff and stakeholders. All presentation materials and preliminary list of invitees.	<ul style="list-style-type: none"> EPA, in consultation with the Contractor, will issue a technical directive that selects a workshop date
Task 6:	Final Report	1 report, 40 pages max.(excluding appendices), MS Word	<ul style="list-style-type: none"> First draft of the final report to EPA within six (6) weeks after the on-site workshop. Final draft of report within three (3) weeks of receiving EPA comments.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES 1 2	
2. AMENDMENT/MODIFICATION NO. 001		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY HPOD US Environmental Protection Agency Headquarters Procurement Operations Ariel Rios Building 1200 Pennsylvania Avenue, NW Washington DC 20460		CODE HPOD		7. ADMINISTERED BY (If other than Item 6) CODE			
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) CH2M HILL INC. Attn: NA 9191 S JAMAICA STREET Englewood CO 80112				(x)		9A. AMENDMENT OF SOLICITATION NO.	
						9B. DATED (SEE ITEM 11)	
				x		10A. MODIFICATION OF CONTRACT/ORDER NO. EP-W-11-011 0022	
						10B. DATED (SEE ITEM 13) 09/17/2012	
CODE (b)(4)		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☐ is not extended.
Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Administrative changes under the authority of FAR 43.103(b)(1) Types of Contract Modifications, unilateral

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ 0 _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

DUNS Number: (b)(4)
TO 0022: Community Energy District-scale Planning in San Francisco's Transit Center District & Central Corridor
TOPO: Abby Hall Max Expire Date: 11/30/2013

The purpose of this modification is to appoint Clark Wilson as Alternate COR for TO 22.

LIST OF CHANGES:

Alternate COR/Project Officer changed to : Clark Wilson

Continued ...

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Kathryn Barton	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA (Signature of Contracting Officer)	16C. DATE SIGNED

REFERENCE NO. OF DOCUMENT BEING CONTINUED
EP-W-11-011/0022/001

PAGE	OF
2	2

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Period of Performance: 09/17/2012 to 11/30/2013				